QC-ABSTRACT

Name of Work:- Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	PCC 1:3:6	9.42 Cum	1	1	Cement
					Sand, Aggregates
2	Steel	8025.41 Kgs	1	1	-
3	M20	62.17 Cum	6	6	Concrete Cube Compressive Strength
4	Solid Blocks (400x150x200)mm	354.20 Sqm	1	1	Compressive Strength & Bulk Density

Kadiri M/s. AE

A.E.E.

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/Cement/2022-23 Date: 23.02.2023

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID: : Cement (Birla Super 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : August - 2022

Date of Testing : 18.02.2023-22.02.2023

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	132 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	387 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00%	-

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/Sand-1/2022-23 Date : 23.02.2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Date of Testing : 23.02.2023

Material : Sand(Plastering) Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	15.5	1.55	1.55	98.5	95-100
2.36	20	2.00	3.55	96.5	95-100
1.18	31	3.10	6.65	93.4	90-100
600 Micron	75	7.50	14.15	85.9	80-100
300 Micron	241	24.10	38.25	61.8	20-65
150 Micron	554	55.40	93.65	6.3	0-15

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/Sand-2/2022-23 Date : 23.02.2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Date of Testing : 23.02.2023

Material : Sand(Masonry) Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	17	1.70	1.70	98.3	90-100
1.18	28.5	2.85	4.55	95.5	70-100
600 Micron	81	8.10	12.65	87.4	40-100
300 Micron	244	24.40	37.05	63.0	5-70
150 Micron	491	49.10	86.15	13.9	0-15

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/Sand-3/2022-23 Date : 23.02.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Date of Testing : 18.02.2023-22.02.2023

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	70	7.00	7.00	93.0	90-100
2.36	95	9.50	16.50	83.5	75-100
1.18	167	16.70	33.20	66.8	55-90
600 Micron	204	20.40	53.60	46.4	35-59
300 Micron	175	17.50	71.10	28.9	8-30
150 Micron	210	21.00	92.10	7.9	0-10

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/40mm/2022-23 Date : 23.02.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore..**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Date of Testing : 18.02.2023-22.02.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	194	1.29	1.29	98.71	95-100
20	8455	56.37	57.66	42.34	30-70
10	3341	22.27	79.93	20.07	10-35
4.75	2561	17.07	97.01	2.99	0-5

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/20mm/2022-23 Date : 23.02.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore..**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Date of Testing : 18.02.2023-22.02.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	235	4.7	4.7	95.3	95-100
10	2699	54.0	58.7	41.3	25-55
4.75	1841	36.8	95.5	4.5	0-10

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/Steel/2022-23 Date : 23.02.2023

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Steel Dia/Length : 8mm,10mm,12mm,16mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test : 23.02.2023

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	505	609	1.21	14.5
2	TMT	10	0.618	528	613	1.16	18.4
2	TMT	12	0.834	557	641	1.15	19.5
2	TMT	16	1.56	566	643	1.14	18.67

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-1/2022-23 Date: 08-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	1-Mar-23	8-Mar-23	7.100	313.0	13.91
2	1-Mar-23	8-Mar-23	7.300	312.0	13.87
3	1-Mar-23	8-Mar-23	7.110	306.0	13.60

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-1/2022-23 Date: 17-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	1-Mar-23	17-Mar-23	7.410	432.0	19.20
2	1-Mar-23	17-Mar-23	7.260	411.0	18.27
3	1-Mar-23	17-Mar-23	7.330	425.0	18.89

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-2/2022-23 Date: 08-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	1-Mar-23	8-Mar-23	7.140	325.0	14.44
2	1-Mar-23	8-Mar-23	7.220	362.0	16.09
3	1-Mar-23	8-Mar-23	7.320	311.0	13.82

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-2/2022-23 Date: 17-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	1-Mar-23	17-Mar-23	7.410	436.0	19.38
2	1-Mar-23	17-Mar-23	7.220	415.0	18.44
3	1-Mar-23	17-Mar-23	7.510	422.0	18.76

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-2/2022-23 Date: 29-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	1-Mar-23	29-Mar-23	8.140	544.0	24.18
2	1-Mar-23	29-Mar-23	8.220	523.0	23.24
3	1-Mar-23	29-Mar-23	8.320	515.0	22.89

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Job No.: CQCE/BBMP/YNKD/KEMS/W-1/QC/M20-3/2022-23 Date: 12-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-Mar-23	12-Mar-23	7.410	324.0	14.40
2	5-Mar-23	12-Mar-23	7.260	314.0	13.96
3	5-Mar-23	12-Mar-23	7.220	344.0	15.29

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-3/2022-23 Date: 21-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-Mar-23	21-Mar-23	7.410	415.0	18.44
2	5-Mar-23	21-Mar-23	7.250	425.0	18.89
3	5-Mar-23	21-Mar-23	7.630	411.0	18.27

Note:

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-3/2022-23 Date: 02-04-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-Mar-23	2-Apr-23	8.140	521.0	23.16
2	5-Mar-23	2-Apr-23	8.260	514.0	22.84
3	5-Mar-23	2-Apr-23	8.220	526.0	23.38

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Job No.: CQCE/BBMP/YNKD/KEMS/W-1/QC/M20-4/2022-23 Date: 12-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.**

Agency : **Sri.Jagadish (Varun Kaarthick Constructions)**

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-Mar-23	12-Mar-23	7.410	324.0	14.40
2	5-Mar-23	12-Mar-23	7.250	314.0	13.96
3	5-Mar-23	12-Mar-23	7.140	332.0	14.76

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-4/2022-23 Date: 03-04-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-Mar-23	3-Apr-23	8.110	541.0	24.04
2	5-Mar-23	3-Apr-23	8.260	521.0	23.16
3	5-Mar-23	3-Apr-23	8.210	504.0	22.40

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-5/2022-23 Date: 17-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10-Mar-23	17-Mar-23	7.100	322.0	14.31
2	10-Mar-23	17-Mar-23	7.220	305.0	13.56
3	10-Mar-23	17-Mar-23	7.145	331.0	14.71

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-5/2022-23 Date: 25-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Column

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10-Mar-23	25-Mar-23	7.150	433.0	19.24
2	10-Mar-23	25-Mar-23	7.050	425.0	18.89
3	10-Mar-23	25-Mar-23	7.140	432.0	19.20

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26-04 A.E.E.

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-6/2022-23 Date: 26-03-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11-Mar-23	26-Mar-23	7.000	431.0	19.16
2	11-Mar-23	26-Mar-23	7.200	427.0	18.98
3	11-Mar-23	26-Mar-23	7.350	431.0	19.16

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-6/2022-23 Date: 09-04-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Retaining Wall

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11-Mar-23	9-Apr-23	7.400	524.0	23.29
2	11-Mar-23	9-Apr-23	7.200	521.0	23.16
3	11-Mar-23	9-Apr-23	7.360	510.0	22.67

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-7/2022-23 Date: 05-04-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Plinth Beam

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21-Mar-23	5-Apr-23	7.140	426.0	18.93
2	21-Mar-23	5-Apr-23	7.220	435.0	19.33
3	21-Mar-23	5-Apr-23	7.150	414.0	18.40

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Job No.: CQCE/BBMP/YNKD/KEMS/W-1/QC/M20-8/2022-23 Date: 12-05-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Beam

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-May-23	12-May-23	7.110	318.0	14.13
2	5-May-23	12-May-23	7.240	322.0	14.31
3	5-May-23	12-May-23	7.160	319.0	14.18

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-8/2022-23 Date: 20-05-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Beam

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-May-23	20-May-23	7.440	428.0	19.02
2	5-May-23	20-May-23	7.250	432.0	19.20
3	5-May-23	20-May-23	7.320	418.0	18.58

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-8/2022-23 Date: 03-06-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Beam

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	5-May-23	3-Jun-23	7.250	532.0	23.64
2	5-May-23	3-Jun-23	7.320	518.0	23.02
3	5-May-23	3-Jun-23	7.140	511.0	22.71

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-9/2022-23 Date: 20-06-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13-Jun-23	20-Jun-23	7.410	311.0	13.82
2	13-Jun-23	20-Jun-23	7.250	325.0	14.44
3	13-Jun-23	20-Jun-23	7.310	317.0	14.09

Note:

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-9/2022-23 Date: 28-06-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 14th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13-Jun-23	28-Jun-23	7.110	429.0	19.07
2	13-Jun-23	28-Jun-23	7.250	435.0	19.33
3	13-Jun-23	28-Jun-23	7.330	431.0	19.16

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

A.E.E.

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TC-9500

Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/M20-9/2022-23 Date: 12-07-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Sample ID : Cement Concrete for Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Location : Kempegowda Statue Premises

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13-Jun-23	12-Jul-23	7.300	534.0	23.73
2	13-Jun-23	12-Jul-23	7.240	518.0	23.02
3	13-Jun-23	12-Jul-23	7.110	522.0	23.20

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Rec. A.E.E. (P) AK-01

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Job No.: CQCE/BBMP/YNK.D/KEM.S/W-1/QC/CC B/2022-23 Date : 02-06-2023

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Sri.Jagadish (Varun Kaarthick Constructions)

Name of the Work : Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Date of Testing : 29-05-2023 to 01-06-2023

Size of Blocks : 400mm x 150mm x 200mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	25.6	322.9	5.38	2133.33	Minimum required Compressive Strength of Individual Units $5.00N/mm^2$
2	Block 2	24.8	335.1	5.59	2066.67	
3	Block 3	27.5	344.4	5.74	2291.67	
4	Block 4	26.9	357.5	5.96	2241.67	

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R/o A.E.E. R/ AE-01

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